MR Form 3 (Revised 1984)

### ANNUAL OPERATIONS AND PROGRESS REPORT

From Month/Year January 1984 to Month/Year January 1985

(To be submitted for each mining operation at the end of each calendar year to the Division at this address:)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
(801) 538-5340

OPERATOR:	Chevron Resources Compa	any MINE NAME:	American	Gilsonite	Cc
ADDRESS:	Bonanza Mine Site				
	Bonanza, Utah 84008				-
PERMIT NUM	MBER AND DATE OF PERMIT: AC	CT/047/010			_
REPRESENTA	ATIVE:			<del></del>	_
SECTION(S)	:Refer to attch.TOWNSHIP(S):		_RANGE(S):		_
MINERAL(S)	MINED: GILSONITE	<del>-</del> -			
STATE AND/	OR FEDERAL MINERAL LEASE NUM	BERS: <u>SEE ATT</u>	ACHMENTS		-
SPECIAL US	SE PERMITS AND/OR RIGHTS-OF-W	AY: Refer to M	RP		-
Section requires e	on 40-8-15 and Rule M-8 of the each operator to include with	e Utah Mined Lan this report an	d Reclamatio	n Act, and plan	-

The report should include:

### MINING:

(a) Tabulation of acreage disturbed (by pits, roads, facilities, etc.) during the report period with illustration on a current map.

prepared in accordance with Rule M=3, as outlined in the requirements for annual report maps in Appendix I, providing a detailed status of all mining

and reclamation activities which have occurred during the past year.

Disturbance	Acreage
<b>RXK</b> Mine Sites Roads	$\frac{1}{\emptyset}$
Facilities	
Waste Dumps	Ø
Other	

(b) Tabulation of acreage affected to date (by years).

Date by Year	Acreage (Total
1975	
1976	
1977	· · · · · · · · · · · · · · · · · · ·
1978	
1979	
1980	
1981	
1982	
1983	SEE MINE PLAN

### SOIL TABULATION CHART

Area Affected (in mining sequence)	Area 1 2 3 etc.
(If more space is needed, please attach.)	B-16 (For additional areas s
Acreage of Area	Mine Plan)
Depth of Topsoil Removal (inches)	6"
Depth of Topsoil Replacement (inches)*	
Estimate of Topsoil Volume Salvaged (yd <sup>3</sup> or ac ft)	200 yd <sup>3</sup>
Volume Actually Salvaged (yd <sup>3</sup> or ac ft)	200 yd <sup>3</sup>
Volume Required for Reclamation (yd <sup>3</sup> or ac ft)	200 yd <sup>3</sup>
Surplus or Deficit Volume (yd <sup>3</sup> or ac ft)	Ø
Storage Status (short- or long-term)	Short Term

Soil Ta	abulation	Chart	(continued)
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Area Affected (in mining sec	quence)	Area 1 2 3 etc
Storage Location		Site Edge
Area Where Soil Has Been Use	ed (if not stored)	N/A
Running Total (all stockpile	es) (ya <sup>3</sup> or ac ft)	See Mine Plan
Short-term		200 yd <sup>3</sup>
Long-term		NONE
*Of previously stripped area	a recently reclaimed.	
(a) Tabulation of all (a placement and illustration of		-pit spoil volumes, date of
Area	Date	Acreage
N/A		
(e) Tabulation of quant.	ity of commodity mined	d.
	Commodity	Tonnage
(Mined) (Milled)	GILSONITE GILSONITE	
(f) Description of any rillustration on a map, inclu	new construction during during, but not limited	ng the report period with do:
l. Buildings and	support facilities.	
2. Roads.		

	N/A		Diversion ditches, collector ditches, interceptor ditches, etc.
	N/A		Culverts.
	N/A	5.	Sediment ponds, containment ponds.
	N/A		Monitoring sites (vegetative, air quality, surface subsidence, surface water or ground water, etc.).
	B-16	7.	Topsoil stockpiles.
for	' miti	gatio	ription of any environmental problem areas with a proposed plan on and illustration on a map, including, but not limited to:  Pit stability problems.
	N/A	2.	Subsidence.

N/A	. water dischar	rge, dam failure, etc.
4. Slumping, N/A	sliaing or erc	
5. Revegetati N/A	on problem are	
6. Existence N/A	and location o	of unsuitable (toxic) overburden.
RECLAMATION:  (a) Tabulation of the contraction on a map, contract		aimed during the report period with between:
l. Backfilled	i, graded and c	contoured areas.
	Area	Acreage
Ore Storage Pond Rainbow vein closs PW-3 & 4 Exploration	ıre	5.0 4.5 Not required by DOGM 4.0 4.0
2. Topsoiled	areas.	
	Area	Acreage
Rainbow vein clos	ıre	4.5 Not required by DOGM

	Area	Acreage
PW-3 & 4		4.0
Rainbow vein clos	uro	4.5 Not required by DOGM
Ore Storage Pond	ure	5.0
Exploration		4.0
4. Reseeded a	areas (areas previou	usly seeded, then seeded again).
	Area	Acreage
N/A		
11/11		
(b) Tabulation of to	otal acreace reclain	ned (seeded with permanent seed mix
date by years with il		
uate by years with in	LIUSTIATION ON AN UP	ouated map:
Year	•	Acreage
1975		<u>Ø</u>
1976	5	<u> </u>
1977	7	d d
1978	3	<del>d</del>
1979	9	20 - 10 - 10 - 10 - 10 - 10 - <del>10 - 10 - </del>
1979		Ø
1980	)	
1980 1981	) 	Ø
1980 1981 1982	) L 2	Ø
1980 1981 1982 1983	D L 2 3	Ø
1980 1981 1982	D L 2 3	
1980 1981 1982 1983 1984	D L 2 3 4	Ø
1980 1981 1982 1982 (c) Description of t riod, including: 1. Average de	D L 2 3 4	øø
1980 1981 1982 1982 (c) Description of t riod, including:	D L 2 3 4 the reclamation prod	ø ø ø ø 29 17.5
1980 1981 1982 1982 (c) Description of t riod, including: 1. Average de	D L 2 3 4 the reclamation prod	ø ø ø ø 29 17.5
1980 1981 1982 1982 (c) Description of t riod, including: 1. Average de	D L 2 3 4 the reclamation prod	øø
1980 1981 1982 1982 (c) Description of t riod, including: 1. Average de	D L 2 3 4 the reclamation prod	ø ø ø ø 29 17.5
1980 1981 1982 1982 (c) Description of t riod, including: 1. Average de 6 inches	the reclamation prod	ø  ø  29  17.5  dedures used during the report  Liea.
1980 1981 1982 1982 (c) Description of t riod, including: 1. Average de 6 inches	the reclamation production of topsoil applaced (species) used f	ø ø ø ø 29 17.5

	<ol> <li>Date of seeding during the report per</li> </ol>	erioa.
Spring	Exploration - April 25, 27, May 4, 8	10 acres
. 5	PW-3 & 4 - May 9-15	4 acres
Fall	Rainbow vein closure	4.5 acres
	Exploration	4 acres
	4. Seeding procedures used.	
	oroadcast or drilled or any other). Laird Rangeland Seed Drill	
	Hand Broadcast & Dragged	
	5. Rate of seed application.	
Pounds	Per Acre of Pure Live Seed (PLS) (if variety	d, please explain)
	See attachment for minimum amounts applied	
A	6. Type and rate of fertilizer applied ammonium phosphate at 100 lb/acre	•
	·	
N	7. Type and rate of mulch applied. Mative hay blown on at 2000 lb/acre	
	he Rainbow vein closure	
N	8. Rate of irrigation water applied, i type of sprinkling, or water applie	
<del></del>		
	<ol><li>Revegetation test plot information.</li></ol>	
	, density, productivity, etc.)	
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# UTAH STATE UNIVERSITY · LOGAN, UTAH 8432

SOIL, PLANT and WATER ANALYSIS LABORATORY UMC 4

September 27, 1984

Chevron Resources ATTN: D. Bassler Manila Star Route Vernal, UT 84078

Ore Storage Pord Somples (Nont Area

Samples received on 9/4/84.

Ident. 2288401	PH 8.1	ECe*	Texture Sandy Loam	Lime ++	P K K Z 2.1 49	*   K	SAR*	SAR meg/100g ppm % 0.C.  SAR Na Mg NO <sub>3</sub> -N 0.C.  10.1 2.48 1.88 12.7 1.12	100g Mg 1.88	ppm NO <sub>3</sub> -N 12.7	3.15	SP 34 17
	8.2	9.0	Sandy Loam		3.5	37	7.91		7	- α	2.40	
	9.8	9.0	Sandy Loam	‡	5.0	45	15.9	5.34	1.10	1 0		
	8.2	8.2 7.6	Sandy Loam	‡	6.5	53	22.3	6.22	1.39	5.2	1./3	

ECe = Electrical Conductivity of Saturation Extract measured in mmhos/cm

SAR = Sodium Adsorption Ratio

SP = % Water at Saturation

P and K (ppm) are NaHCO $_3$  extractable

Na & Mg (meq/100g) are Total extractable by  $\mathrm{NH}_{4}\mathrm{OAc}$ 

	Soil analysis results. tached sheet
(This should	ription of results of previous revegetation efforts, including: be done as applicable.)
	Types (species) of seed that have germinated and are growing.
N/A	Types (species) of seed that are not growing successfully.
3. N/A	Areas experiencing problems with weeds and weed types.
4. N/A	Significant erosional problems.
5. N/A	Areas of unsuitable overburden on the surface as related to revegetation failure.
6. N/A	Procedures used or proposed to correct these problems.

Acreage and dates of release (upon inspection by the State) of revegetated areas. Area Date . Acreage N/A 8. Results of soil analysis. N/A (e) Summarization of the reclamation costs incurred during the report period, including itemized costs for each operation (i.e., grading, topsoil replacement, seeding, etc.) and for each type of disturbance (i.e., spoil. haul roads, facilities removal, etc.) on a per acre basis. Acres Cost/Acre 1. Grading 2. Backfilling 3. Contouring 17.5 Topsoil Replacement 4. 4.5 5. Seeding 17.5 A. Seedbed Preparation B. Mulch 5.0 \$180 C. Fertilizer 13.5 \$ 45 D. Seed 17.5 \$150 Other BOND INFORMATION: A. An updated bond estimate should be included, if required in the Division's approval of the Mining and Reclamation Plan (MRP) or if changes to the MRP have occurred, including a detailed itemization of actual/estimated reclamation costs as outlined in the RECLAMATION section above. The date of the release of revegetated areas from further responsibility for a partial bond release, if applicable, should also be included. Amount Type Date Posted Present Bond

Increased Bond Amoun	t (attached reclamation estimate).	
B. Bond release.		
Acres	Bond Amount Released	Date

# ADDITIONAL INFORMATION:

Supply any additional information as requested by the Division related to:

- (a) Permit stipulations (status).(b) Other special conditions (status).

### APPENDIX I

### ANNUAL REPORT MAPS

- Maps must be clear and legible contour maps or recent aerial photos. The scale should be 1 inch = 500 feet to adequately show topographic features.
- 2. Map sheets should be of a reasonable size, not to exceed 48 inches on a side.
- 3. Maps must have a title block with:
  - A. Map title.
  - B. Name and address of permittee.
  - C. Permit and amendment numbers.
  - D. Annual report period.
  - E. Scale, north arrow, contour interval, date of photography, etc.
- 4. All maps must show:
  - A. Legal subdivisions.
  - B. Permit area boundary clearly shown and labelled.
  - C. Amendment areas clearly shown and labelled.
  - D. Contour features.
- 5. The following features should all be clearly identified:
  - A. Topsoil stockpiles (numbered and with volumes).
  - B. Settling ponds and sediment control structures.
  - C. Haul roads.
  - D. Pits identified by location, name, number, etc.
  - E. Ramps (numbered).
  - F. Out-of-pit spoil dumps.
  - G. All waste disposal sites including, but not limited to:
    - 1. Landfill sites.
    - 2. Carbonaceous waste dumps.
  - H. Diversion ditches.
  - I. Monitoring sites.
- 6. All areas to be affected by mining and reclamation in the coming year should be outlined and labelled.

## STATE AND/OR FEDERAL MINED LEASE NUMBERS

B-44	Federal Lease	U-0126940
WH-12	Federal Lease	U-073071
LE-5	Federal Lease	U-0126938
LE-6	Federal Lease	U-0126938

LOCATION OF OPERATION:

Lands are held within Uintah and Duschesne Counties in Utah within the following Sections

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T 8 S
      R 17 E
               Section 32
T 9 S
      R 17 E
               Sections 5, 4
T 2 S
       R 2 E
               Sections 18, 19, 20
T 8 S
       R 24 E
               Section 32
T 9 S
       R 23 E
               Sections 1, 10, 12, 15, 25
T 9 S
       R 24 E
               Sections 1, 2, 3, 7, 12, 15, 16, 17, 22, 23, 24, 25,
               26, 27, 28, 29, 30, 32, 33, 34, 35, 36
T 9 S R 25 E
               Sections 7, 8, 15, 16, 17, 21, 22, 23, 29, 30, 31, 32,
T 10 S R 22 E
               Section 24
T 10 S R 23 E
               Sections 28, 30, 32, 34
T 10 S R 24 E
               Sections 1, 2, 3
T 10 S R 25 E
               Section 6
T 11 S R 23 E
               Sections 1, 2, 12
T 11 S R 24 E
               Sections 4, 5, 6, 7, 8, 9, 14, 15, 16, 17, 20, 22, 23,
               24, 25, 26, 30, 32
T 11 S $ 25 E
               Sections 30, 21, 30, 32
T 12 S R 24 E
               Section 4
T 12 S R 25 E
               Sections 4, 5, 9, 10, 11, 12, 13, 14, 15, 24
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# SEED MIX BEING USED ON STUDY AREA AND MINE SITES FALL 1983

		RATE/ACRE PLS		
COMMON NAME	BOTONICAL NAME	DRILLED	BROADCAST	
Western Wheatgrass	Agropyron smithii	3.0	4.5	
Bluebunch Wheatgrass	Agropyron spicatum	1.0	1.5	
Russian Wildrye	Elymus junceus	2.0	3.0	
Indianricegrass	Oryzopsis hymenoides	2.0	3.0	
Yellow Sweet Clover	Melilotus officinalis	0.5	0.75	
Nomad Alfalfa	Medicago sativa	0.5	0.75	
Cicer Milkvetch	Astragalus cicer	1.0	1.5	
Winterfat	Ceratoides lanata	1.0	1.5	
Sagebrush	Ademsia tridentata	0.5	0.75	
Rabbitbrush	Chrysothamnus nauseosus	0.5	0.75	
		12.0	18.0	

File ACT/047/010



# **American Gilsonite Company**

A Chevron Company Bonanza, UT 84008 • Phone (801) 789-1921

Bonanza Mining Operations

RECEIVED

APR 2 9 1985

April 25, 1985

GAS & MINING

Mrs. Pam Grughbaugh-Lettig Utah Division of Oil, Gas and Mining 355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, UT 84180-1203

Dear Mrs. Lettig:

Enclosed you will find the annual Operations and Progress Report for American Gilsonite Company, Bonanza Operations, for 1985. The report includes reclamation of the Rainbow vein closure, which involves 4.5 acres of pre-Act mined land. This reclamation was a voluntary procedure conducted by Chevron.

Should you have any questions, please contact me at 789-7795.

Sincerely,

O. L. Fyock

Environmental Coordinator

OLF: vjw

Attach.

cc: RFD w/out attachments